Amengment under PCT Arricle 19 10/587567 1 IAP11 Rec'd PCT/PTO 31 JUL 2006

P40252-AmendedClaims

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## AMENDED CLAIMS

1. (Amended) A thrust dynamic pressure bearing comprising:

a bearing surface of a rotating side bearing member; and

a bearing surface of a fixed-side bearing member, both surfaces facing each other axiswise through a minute interspace, wherein

the minute interspace is filled with lubricating oil;

a plurality of dynamic pressure generating grooves are formed on at least one of the bearing surfaces of the rotating-side bearing member and the fixed side bearing member;

rotation is retained by dynamic pressure of lubricating oil being induced by means of the dynamic pressure generating grooves according to rotation of the rotating side bearing member; and

groove width G in a circumferential direction of rotation of the rotating-side bearing member, of the dynamic pressure generating groove; and width L in a circumferential direction of rotation of the rotating side bearing member, of a land circumferentially adjacent to the dynamic pressure generating groove hold G > L in an area of 80% or more of the area in which the dynamic pressure generating grooves provided on the bearing surface are formed.

## 2. (Canceled)

3. (Amended) The thrust dynamic pressure bearing as claimed in claims 1, wherein the dynamic pressure generating groove has a 25 herringbone shape.

- 4. (Amended) The thrust dynamic pressure bearing as claimed in <u>claim</u>

  1, wherein the dynamic pressure generating groove has a spiral shape.
- 5. (Original) The thrust dynamic pressure bearing as claimed in claim 3, wherein relationship between groove width G of the dynamic pressure generating groove and width L of a land circumferentially adjacent to the dynamic pressure generating groove ranges from G:L = 65:35 to G:L = 75:25.
- 6. (Original)The thrust dynamic pressure bearing as claimed in claim 4, wherein relationship between groove width G of the dynamic pressure generating groove and width L of a land circumferentially adjacent to the dynamic pressure generating groove ranges from G:L = 65:35 to G:L = 80:20.

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- 7. (Amended) A thrust dynamic pressure bearing comprising:
  - a bearing surface of a rotating-side bearing member; and
- a bearing surface of a fixed-side bearing member, both surfaces

facing each other axiswise through a minute interspace, wherein

- 20 <u>the minute interspace is filled with lubricating oil;</u>
  - a plurality of dynamic pressure generating grooves having a herringbone shape are formed on at least one of the bearing surfaces of the rotating side bearing member and the fixed bearing member;

rotation is retained by dynamic pressure of lubricating oil being

induced by means of the dynamic pressure generating grooves

according to rotation of the rotating side bearing member; and

relationship between groove width G in a circumferential

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direction of rotation of the rotating-side bearing member, of the dynamic pressure generating grooves; and width L in a circumferential direction of rotation of the rotating-side bearing member, of a land circumferentially adjacent to the dynamic pressure generating groove ranges from G:L = 65:35 to G:L = 75:25.

## 8. (Amended) A thrust dynamic pressure bearing comprising:

a bearing surface of a rotating-side bearing member; and
a bearing surface of a fixed-side bearing member, both surfaces
facing each other axiswise through a minute interspace, wherein

the minute interspace is filled with lubricating oil;

a plurality of dynamic pressure generating grooves having a spiral shape are formed on at least one of the bearing surfaces of the rotating-side bearing member and the fixed-side bearing member;

rotation is retained by dynamic pressure of lubricating oil being induced by means of the dynamic pressure generating groove according to rotation of the rotating-side bearing member; and

relationship between groove width G in a circumferential direction of rotation of the rotating-side bearing member, of the dynamic pressure generating groove and width L in a circumferential direction of rotation of the rotating-side bearing member, of a land circumferentially adjacent to the dynamic pressure generating groove ranges from G:L = 65:35 to G:L = 80:20.

9. (New) A spindle motor comprising a thrust dynamic pressure bearing as claimed in any one of claims 1 through 8.

10. (New) An information recording and reproducing device comprising

a spindle motor having a thrust dynamic pressure bearing as claimed in any one of claims 1 through 8.